

Substitute for Form 1449 A & B/PTO

Complete if Known

Application Number	10/690,569
Confirmation Number	5982
Filing Date	October 23, 2003
First Named Inventor	Charles Frederick James BARNES
Art Unit	2655
Examiner Name	Unknown
Attorney Docket Number	Q-72585

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Use as many sheets as necessary)

Sheet 1 of 2

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
JLM		US 6,272,083		08/07/2001	Aratani
		US 6,078,471		06/20/2000	Fisk
		US 6,353,317		03/05/2002	Green et al
		US 5,606,474		02/25/1997	Ketchersid III
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		US 5,264,975		11/23/1993	Bajoreket et al
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		US 4,636,893		01/13/1987	McClure
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁴
		Country Code ³	Number ⁴	Kind Code ² (if known)			

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁴
JLM		Carley et al, <i>Communication of the ACM</i> , 43(11):73-80 (2000)	
		Solin et al, "Giant Magneto Resistance in Zero-gap HgCdTe", www.neci.nj.nec.com/homepages/thio/gmr.htm	
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		"Glass Substrate for Magnetic Disk in HDD, Information sheet, http://www7.big.or.jp/~cgi19786/ngf/nglass/ng06e.html	
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		Country Code ²	Number ⁴	Kind Code ³ (if known)			
JN		EP	0 463 908		06/11/1991	Thomson-CSF	Abstract
		EP	0 895 237		02/03/1999	Samsung Electronics Co., Ltd.	
		EP	1 114 393		07/11/2001	Sumitomo Electric Industries, Ltd.	
		EP	1 156 479		11/21/2001	Mitsubishi Chemical Corporation	
		EP	1 381 031		01/14/2004	Jean-Pierre NOZIERES	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁴
JN		"Thermal Properties, GE Quartz, http://www.gequartz.com/en/thermal.htm	Info Sheet
		"The Art of the Quantum Leap", Economist Story, http://www.economist.com/science/tq/displayStory.cfm?Story_ID=885080	
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		"Lubricants for disks", http://www.almaden.ibm.com/st/projects/lubricants/lube/	Info Sheet-Pg Discont.
		"M5.004 Challenges of Head-Disk Interface Tribology for Ultrahigh Density Magnetic Recording", Invited Session by Jing Gui; http://www.eps.org/aps/meet/MAR00/baps/abs/S4840004.html	
		"Tribology of Magnetic Media and Recording Technologies"	Intro page
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		"Headway Technologies", http://www.hdwy.com/technology/technology.html	Article
		"Single vs. Multiple Actuators", http://www.pcguides.com/ref/hdd/op/act/Multiple-c.html	Article
	"Storage/Hard Disks", http://www.pctechguide.com/04disks.htm	Info Sheet	
	"What is RAID?", http://www.uni-mainz.de/~neuffer/scsi/what_is RAID.html	Article	

Examiner Signature		Date Considered	6/22/05
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